

Temp 1110  
000004691

93 RF 8610

# **EG&G ROCKY FLATS**

EG&G ROCKY FLATS, INC  
ROCKY FLATS PLANT, P O BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

July 14, 1993

93-RF-8610

J K Hartman  
Assistant Manager  
Transition and Environmental Restoration  
DOE, RFO

Attn R J Schassburger

## **OPERABLE UNIT 2 (OU2) SURFACE WATER INTERIM MEASURE/INTERIM REMEDIAL ACTION (IM/IRA) DISCHARGE OF HIGH pH WATER - RLB-350-93**

At 0230 hours on Saturday, July 10, 1993, the OU2 IM/IRA treatment facility began to discharge water that was above the normal pH range of 6 to 9. This discharge of approximately 7,000 gallons of higher than normal pH water took place until 0510 hours Saturday morning. The pH of this water was as high as 12 at times. The discharge of this water was caused in part by equipment failure (inaccurate pH probe readings) and operator error. Sampling of the B-4 and B-5 ponds downstream of the IM/IRA indicated no elevated pH levels. Visual inspection of the stream downgradient of the IM/IRA discharge point also indicated no damage to plant or animal life. This water has very little buffering capacity, as the chemical precipitation/microfiltration unit removes most all of the carbonate species from the water, allowing the pH to fluctuate greatly.

Actions have been implemented to assure that this will not occur again. These actions include increased pH probe cleaning, and a more definitive method for determining when discharge is to be stopped and recirculated through the treatment system.

If you have any questions or concerns, please contact Ty Vess at extension 6540.

*R L Benedetti*

R L Benedetti  
Associate General Manager  
Environmental Restoration Management

MTV lmw

Orig and 1 cc - J K Hartman

cc  
A H Paule - DOE, RFO  
S R Grace - DOE, RFO  
S P Singh - DOE, RFO

**ADMIN RECORD**

|                                 |                     |
|---------------------------------|---------------------|
| REVIEWED FOR CLASSIFICATION/UCM |                     |
| BY                              | G T Osted <i>GT</i> |
| DATE                            | 8-30-93             |

A-OU02 0007.6

| DIST                     | LTR                                 | ENC                                 |
|--------------------------|-------------------------------------|-------------------------------------|
| BENEDETTI, R L           | <input checked="" type="checkbox"/> |                                     |
| BENJAMIN, A              |                                     |                                     |
| BERMAN, H S              |                                     |                                     |
| BRANCH, D B              |                                     |                                     |
| CARNIVAL, G J            |                                     |                                     |
| COPP, R D                |                                     |                                     |
| DAVIS, J G               |                                     |                                     |
| FERRERA, D W             |                                     |                                     |
| HANNI, B J               |                                     |                                     |
| HARMAN, L K              |                                     |                                     |
| HEALY, T J               |                                     |                                     |
| HEDAH, T                 |                                     |                                     |
| HILBIG, J G              |                                     |                                     |
| KIRBY, W A               |                                     |                                     |
| KUESTER, A W             |                                     |                                     |
| LEE, E M                 |                                     |                                     |
| MANN, H P                | <input checked="" type="checkbox"/> |                                     |
| MARX, G E                |                                     |                                     |
| MCDONALD, M M            |                                     |                                     |
| McKENNA, F G             |                                     |                                     |
| MONTROSE, J K            |                                     |                                     |
| MORGAN, R V              |                                     |                                     |
| POTTER, G L              |                                     |                                     |
| PIZZUTO, V M             |                                     |                                     |
| RILEY, J H               |                                     |                                     |
| SANDLIN, N B             |                                     |                                     |
| SHEPLER, R L             |                                     |                                     |
| STEWART, D L             |                                     |                                     |
| SULLIVAN, M T            |                                     |                                     |
| SWANSON, E R             |                                     |                                     |
| WILKINSON, R B           | <input checked="" type="checkbox"/> |                                     |
| WILLIAMS, S (OHC)        |                                     |                                     |
| WILSON, J M              |                                     |                                     |
| ZANE, J O                |                                     |                                     |
| <i>Broussard, M. C.</i>  | <input checked="" type="checkbox"/> |                                     |
| <i>Burmeister, M. C.</i> | <input checked="" type="checkbox"/> |                                     |
| <i>Chapman, J. L.</i>    | <input checked="" type="checkbox"/> |                                     |
| <i>Conner, D. A.</i>     | <input checked="" type="checkbox"/> |                                     |
| <i>McGuffey, J. M.</i>   | <input checked="" type="checkbox"/> |                                     |
| <i>Peterson, J. A.</i>   | <input checked="" type="checkbox"/> |                                     |
| <i>Prinzie, R. L.</i>    | <input checked="" type="checkbox"/> |                                     |
| <i>Thompson, L. D.</i>   | <input checked="" type="checkbox"/> |                                     |
| <i>Wagner, D. J.</i>     | <input checked="" type="checkbox"/> |                                     |
| <i>Winkler, G. W.</i>    | <input checked="" type="checkbox"/> |                                     |
| CORRES CONTROL           | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ADMIN RECORD             |                                     |                                     |
| TRAFFIC                  |                                     |                                     |

### CLASSIFICATION

|              |  |
|--------------|--|
| UCNI         |  |
| UNCLASSIFIED |  |
| CONFIDENTIAL |  |
| SECRET       |  |

AUTHORIZED CLASSIFIER  
SIGNATURE

DOCUMENT CLASSIFICATION  
REVIEW WAIVER PER  
CLASSIFICATION OFFICE

DATE

IN REPLY TO RFP CC NO

### ACTION ITEM STATUS

☐ OPEN ☐ CLOSED

☐ PARTIAL

LTR APPROVALS

ORIG & TYPIST INITIALS

*MTV:lmw*